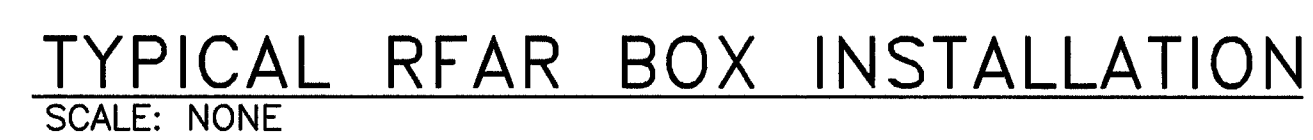











1. IDENTIFYING NUMBERS ADJACENT TO DETECTOR NOTENOTES OR WIRING, DETECTOR 1-2 WOULD IDENTIFY THE 2ND DETECTOR IN ZON
2. ALL INSTALLATION MATERIAL SUCH AS CONDUIT, FITTINGS, BOXES, HA ETC. NOT SUPPLIED BY CERBERUS PYROTRONICS, UNLESS OTHERWISE
3. WIRING RUNS ARE SHOWN DIAGRAMMATICALLY EXACT LOCATION OF AL EQUIPMENT TO BE DETERMINED IN THE FIELD.
4. ALL WIRING MUST CONFORM WITH LOCAL & NATIONAL CODES.
5. AUDIBLE ALARM DEVICE CIRCUIT POLARITY MUST BE OBSERVED
6. SDC7.8 ALLOWS FOR #16 AWG INTERIOR OF THE FCP. SINGLE COND SIZE #14AWG SHALL HAVE THHN/THW INSULATION.
7. FIRE ALARM CONTROL PANEL AND ALL DEVICES NEED TO BE LABLED THE FIELD WITH ZONE DESIGNATIONS AND/OR ALPHA/NUMERIC IDENT
8. ALL CONDUIT SHALL BE 3/4"
9. ELECTRICAL ROUGH-IN BACKBOX SIZES ARE AS SHOWN IN EQUIPMEN UNLESS SPECIFICALLY NOTED ON SYSTEM DRAWINGS.
10. DURING SYSTEM INSTALLATION, INSTALLING CONTRACTOR SHALL MAINTAIN A SET OF FIELD DWGS, INDICATING BY RED-LINE, CHANGES IN THE ROUTING OF ALL CONDUIT AND/OR CABLING. PROVIDE CERBE WITH A SET OF THESE MARKED-UP DWGS FOR AS-BUILT PURPOSES
11. CIRCUIT WIRING COLOR CODE SHALL BE AS DESCRIBED PER: SDC 7.



1. ELECTRONICS PACKAGE TO BE INSTALLED AND TESTED BY RADIO MAINTENANCE DURING THE OPERATIONAL TEST.
2. INSTALL ALL CONDUIT WITH WATER TIGHT FITTINGS AT THE BOTTOM, WITHIN 64 mm (2 1/2") FROM THE BACK OF THE RFAR BOX.
3. ALL CONDUITS AND ENTRY WAYS TO BE PLUGGED AND SEALED.
4. COORDINATE INSTALLATION AND LOCATION OF EXPANDER CABINET WITH RADIO MAINTENANCE WHEN MORE THAN 16 ZONES ARE REQUIRED.

EQUIPMENT INFORMATION					
SMBL	QTY	MODEL	DESCRIPTION	MOUNTING INFORMATION	EOL DEVICE
	4	MS-501	DOUBLE ACTION MANUAL PULL	SINGLE GANG 42" TO THE BOTTOM	50mf, 50V CAPACITOR
	4	S15/75 STD	15/75 CANDELLA STROBE	MOUNT TO 4"SQ BOX @ 80"+ ABOVE THE FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER	5.6kΩ 1/2W RESISTOR
	4	4771	10" SINGLE STROKE BELL	MOUNT TO 4"SQ BOX @ 80"+ ABOVE THE FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER	5.6kΩ 1/2W RESISTOR
	1	EA-33	SYSTEM 3 CONTROL PANEL	SPECIAL	
	1		SPRINKLER ALARM PRESSURE SWITCH		50mf, 50V CAPACITOR
	2		OS & Y TAMPER SWITCH		5.6kΩ 1/2W RESISTOR
	1		SPRINKLER P.I.V. TAMPER SWITCH		5.6kΩ 1/2W RESISTOR
	1	RED LION TCU	TEMPERATURE CONTROL UNIT	INSTALL PER MANUFACTURES SPECIFICATIONS	
	1		AIR PRESSURE SUPV SWITCH		5.6kΩ 1/2W RESISTOR



TRAC-1933, Rev. 0
Approved for Public Release;
Further Dissemination Unlimited

DRAWN BY B.GARDNER		SAFETY CLASS 3		USE AS BUILT	
DESIGN ENGR		U.S. DEPARTMENT OF ENERGY		REVIEW NO. DATE	
CHECKED		RICHLAND OPERATIONS OFFICE			
SAFETY		GARCO CONSTRUCTION			
OWNER		EAST 4114 BROADWAY		SPOKANE, WASHINGTON	
DUAL ENGR		(509) 535-4688		99202	
LEAD ENGR		FIRE PROTECTION FIRE ALARM PLAN & DET			
CUSTOMER					
DRAWING NO. RF5H					
APVD					
DATE		PROJECT W-112 ENHANCED RADIOACTIVE & MIXED WASTE STORAGE PHASE V			
SHEET		SIZE	BLDG NO	INDEX NO	OWN NO
F		24X40A	7701	7702	H-2-823236
F		SCALE	EDT	SHEET	
F		SHOWN	186831	1 OF 2	
APVD		12/29/2010 11:45:00 AMH-2-823236-3		GITTLE.DWG (11/95)	
DATE		1		KEH 2297.00	

						REVISED PER HNF-FMP-04-21459-R0		PRW 12/10		KEH 12/10		JAL ENDR ENDR		FIRE ALARM PLAN & DET	
DESCRIPTION						REV DATE		CHK DATE		DPTO DATE		ENGR		PROJECT W-112 ENHANCED RADIOACTIVE & MIXED WASTE STORAGE PHASE V	
DWG NO						TITLE		REF NUMBER		CUSTOMER		COMPANY		SIZE	
DRAWING TRACEABILITY LIST						NEXT USED ON		CADFILE		CADCODE		PLOT SCALE:		SHEET	
5						4		3		2 PLOT SCALE: 1 = 1		1		GTITLE DWG (11/95) KEH 2297.00	